

Application No. 10/774,285
Docket No. UC0406USCIP

2. (Currently Amended) The active layer of Claim 1, wherein R^2 and R^3 are independently selected from H, CF_3 , C_2F_5 , $n-C_3F_7$, $i-C_3F_7$, and C_4F_9 , CF_3SO_2 , $COOR^4$ and CN.

3. (Canceled)

4. (Canceled)

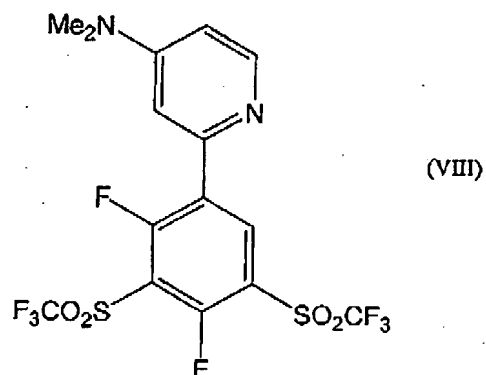
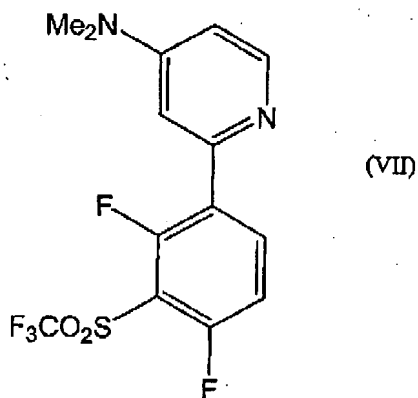
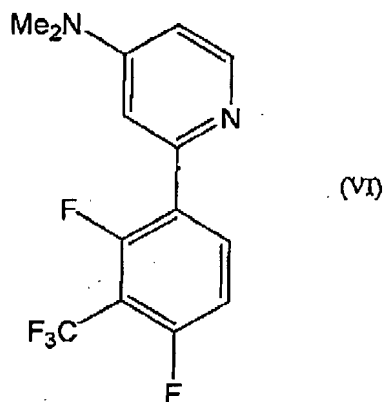
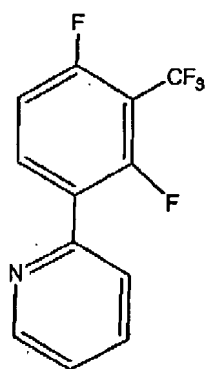
5. (Currently Amended) The active layer of Claim ~~1~~26, wherein L^1 is selected from ligand 1-a through 1-y:

Ligand	R^1	R^2	R^3
1-a	H	H	H
1-b	H	CF_3	H
1-c	H	COOMe	H
1-d	H	CN	H
1-e	CH_3	H	H
1-f	CH_3	CF_3	H
1-g	CH_3	COOMe	H
1-h	CH_3	CN	H
1-i	CH_3	H	H
1-j	t-butyl	H	H
1-k	OMe	CF_3	H
1-l	OMe	COOMe	H
1-m	OMe	CN	H
1-n	OMe	CF_3	CF_3
1-o	NMe_2	H	H
1-p	NMe_2	CF_3	H
1-q	NMe_2	COOMe	H
1-r	NMe_2	CN	H
1-s	NMe_2	CF_3SO_2	H

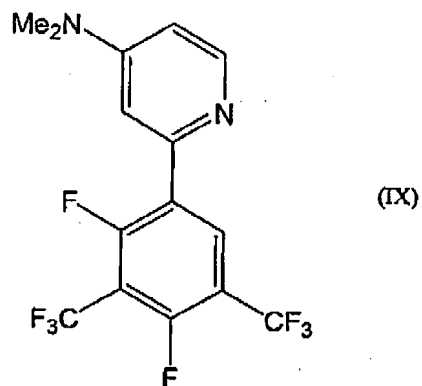
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Ligand	R ¹	R ²	R ³
1-t	NMe ₂	C ₂ F ₅	H
1-u	NMe ₂	CF(CF ₃) ₂	H
1-v	NMe ₂	H	H
1-w	NPh ₂	CF ₃	H
1-x	NPh ₂	COOMe	H
1-y	NPh ₂	CN	H

6. (Currently Amended) The active layer of Claim 126, wherein L¹ is selected from Formula V, Formula VI, Formula VII, Formula VIII, and Formula IX:



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7. (Original) An organic electronic device comprising at least one active layer of Claim 1.

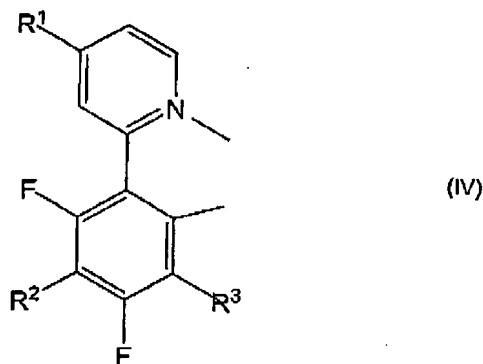
8. (Currently Amended) A compound having a formula selected from Formula II and Formula III:



where:

~~in Formulae II and III:~~

L¹ has Formula IV:



wherein:

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 $R^1 = H, R^4, OR^4, N(R^4)_2$ $R^2 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN$ $R^3 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN,$ R^4 is the same or different at each occurrence and is H, alkyl, aryl, or adjacent R^4 groups can join together to form a 5- or 6-membered ring, and n is an integer from 1 through 20;~~in Formula II:~~ ~~L^2 is a phosphino-alkoxide;~~~~in Formula III:~~ L^3 is a monoanionic monodentate ligand; and L^4 is a nonionic monodentate phosphine ligand.

9. (Currently Amended) The compound of Claim 824, wherein L^1 is selected from ligands 1-a through 1-y:

Ligand	R^1	R^2	R^3
1-a	H	H	H
1-b	H	CF_3	H
1-c	H	COOMe	H
1-d	H	CN	H
1-e	CH_3	H	H
1-f	CH_3	CF_3	H
1-g	CH_3	COOMe	H
1-h	CH_3	CN	H
1-i	CH_3	H	H
1-j	t-butyl	H	H
1-k	OMe	CF_3	H
1-l	OMe	COOMe	H
1-m	OMe	CN	H
1-n	OMe	CF_3	CF_3
1-o	NMe_2	H	H
1-p	NMe_2	CF_3	H

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Ligand	R ¹	R ²	R ³
1-q	NMe ₂	COOMe	H
1-r	NMe ₂	CN	H
1-s	NMe ₂	CF ₃ SO ₂	H
1-t	NMe ₂	C ₂ F ₅	H
1-u	NMe ₂	CF(CF ₃) ₂	H
1-v	NMe ₂	H	H
1-w	NPh ₂	CF ₃	H
1-x	NPh ₂	COOMe	H
1-y	NPh ₂	CN	H

10. (Currently Amended) A compound of Claim 8, wherein R² and R³ are independently selected from H, CF₃, C₂F₅, n-C₃F₇, i-C₃F₇, and C₄F₉, ~~CF₃SO₂~~, ~~COOR⁴~~ and CN.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Original) An organic electronic device comprising a layer that comprises the compound of Claim 8.

15. (Original) An organic electronic device comprising a layer that comprises the compound of Claim 9.

16. (Currently Amended) An organic electronic device comprising a layer that comprises the compound of Claim ~~40~~24.

17. (Canceled)

18. (Canceled)

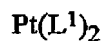
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19. (Canceled)

20. (Original) An active layer of claim 1 further comprising a diluent.

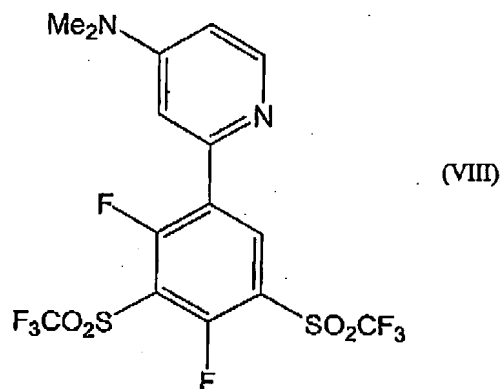
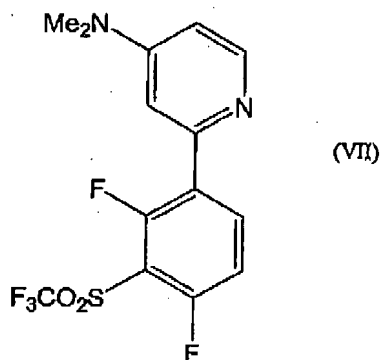
21. (Original) An active layer of claim 20 wherein the diluent further comprises a material selected from a polymer, a small molecule, and a mixture thereof.

22. (Previously Presented) An active layer comprising at least one compound having Formula I



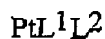
(I)

wherein L^1 is selected from Formula VII and Formula VIII:



23. (Canceled)

24. (Previously Presented) A compound having Formula II:

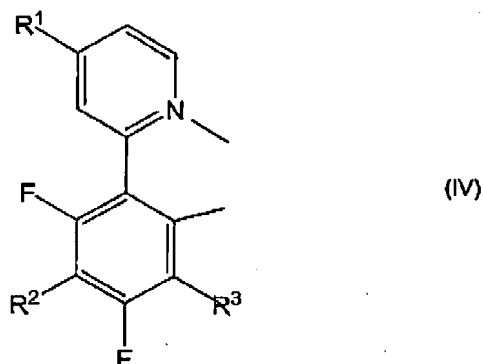


(II)

where:

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L^1 has Formula IV:



wherein:

$R^1 = H, R^4, OR^4, N(R^4)_2$

$R^2 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN$

$R^3 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN,$

R^4 is the same or different at each occurrence and is H, alkyl, aryl, or adjacent R^4 groups can join together to form a 5- or 6-membered ring, and
 n is an integer from 1 through 20; and

L^2 is a phosphino alkoxide.

25. (Currently Amended) An active layer comprising at least one compound having a formula selected from Formula II and Formula III:

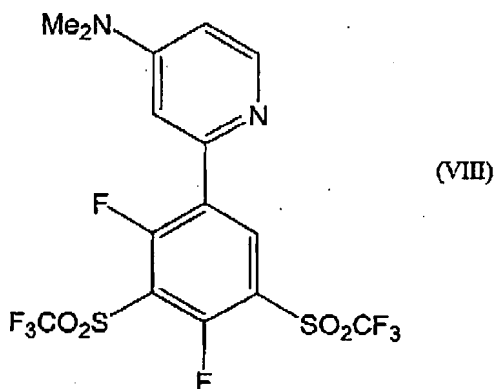
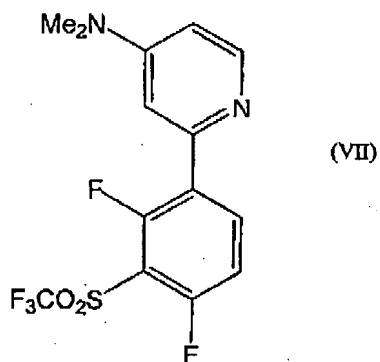


where:

in Formulae II and III:

wherein L^1 is selected from Formula VII and Formula VIII:

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in Formula II:

L² is a phosphino alkoxide:

in Formula III:

L³ is a monoanionic monodentate ligand; and

L⁴ is a nonionic monodentate ligand.

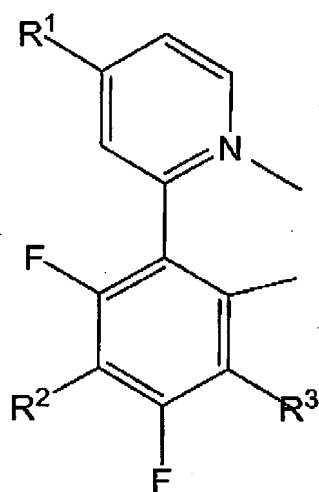
26. (New) An active layer comprising at least one compound having Formula II:



where:

L¹ has Formula IV:

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(IV)

wherein:

$R^1 = H, R^4, OR^4, N(R^4)_2$

$R^2 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN$

$R^3 = H, C_nF_{2n+1}, C_nF_{2n+1}SO_2, COOR^4, CN,$

R^4 is the same or different at each occurrence and is H, alkyl, aryl, or adjacent R^4 groups can join together to form a 5- or 6-membered ring, and

n is an integer from 1 through 20; and

L^2 is a monoanionic bidentate ligand.